

Title (en)  
AUTOMATED ELECTRIC VEHICLE CHARGING

Title (de)  
AUTOMATISIERTES LADEN VON ELEKTROFAHRZEUGEN

Title (fr)  
CHARGE AUTOMATIQUE DE VÉHICULE ÉLECTRIQUE

Publication  
**EP 3625078 A1 20200325 (EN)**

Application  
**EP 18802958 A 20180516**

Priority

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- US 2018032980 W 20180516

Abstract (en)  
[origin: US2018334040A1] Apparatus and method for automated electric vehicle charging. One embodiment provides a method for automated charging including storing, in a memory, a rate profile of a power grid and determining, using an electronic processor, a time to full charge. The method also includes determining, using the electronic processor, a target time for completion of charging and generating, using the electronic processor, a charging profile. The method further includes charging, using a charging controller, based on the charging profile.

CPC (source: CN EP US)  
**B60L 53/00** (2019.02 - CN); **B60L 53/305** (2019.02 - EP US); **B60L 53/60** (2019.02 - CN); **B60L 53/63** (2019.02 - EP US); **B60L 53/64** (2019.02 - CN EP US); **B60L 53/66** (2019.02 - CN EP US); **B60L 53/67** (2019.02 - EP US); **B60L 55/00** (2019.02 - EP US); **B60L 58/12** (2019.02 - EP US); **H01M 10/44** (2013.01 - EP US); **H02J 3/00** (2013.01 - US); **H02J 3/14** (2013.01 - EP US); **H02J 3/322** (2020.01 - EP US); **H02J 7/0013** (2013.01 - EP US); **H02J 13/00034** (2020.01 - EP US); **B60L 2200/46** (2013.01 - CN); **B60L 2240/80** (2013.01 - EP US); **H01M 2220/20** (2013.01 - EP US); **H02J 7/0049** (2020.01 - US); **H02J 2310/48** (2020.01 - EP US); **H02J 2310/64** (2020.01 - EP US); **Y02E 60/00** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP); **Y02T 90/16** (2013.01 - EP); **Y02T 90/167** (2013.01 - EP); **Y04S 10/126** (2013.01 - EP); **Y04S 30/12** (2013.01 - EP); **Y04S 30/14** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 10661674 B2 20200526**; **US 2018334040 A1 20181122**; CN 110691711 A 20200114; CN 110691711 B 20240308; CN 117984845 A 20240507; EP 3625078 A1 20200325; EP 3625078 A4 20201007; US 11784509 B2 20231010; US 2020282856 A1 20200910; US 2024039325 A1 20240201; WO 2018213453 A1 20181122

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**US 201815981468 A 20180516**; CN 201880036133 A 20180516; CN 202410183907 A 20180516; EP 18802958 A 20180516; US 2018032980 W 20180516; US 202016880589 A 20200521; US 202318482989 A 20231009